

19990119.ba v02\_n388.bam.990119

>From ???@??? Wed Jan 20 02:36:00 1999  
Message-Id: <199901191705.LAA19473@sco.theporch.com>  
Date: Tue, 19 Jan 1999 11:03:34 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2388

BOATANCHORS Digest 2388

Topics covered in this issue include:

- 1) Message to UK members only.  
by BEN NOCK <G4BXD@compuserve.com>
- 2) Re: TYPE 80 TUBE  
by "Deane D McIntyre" <dmcintyr@ucalgary.ca>
- 3) Shoreline Museum  
by Roy Nollkamper <royn@glacierelectric.com>
- 4) Re: ??How to measure unknown impedance  
by Morris Odell <morriso@vifp.monash.edu.au>
- 5) WTB plug for EV-664 mike  
by Phil Mills <pmills@a.crl.com>
- 6) HAMMARLUND HX-50 & HX-50A PAPERWORK  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 7) HALLI SX-101A IMAGE PROBLEM  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 8) AMP TUBE FILAMENT VOLTAGE  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 9) HAMMARLUND HX-500 MANUAL FOR SALE  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 10) Webpage update  
by Al Klase <skywaves@bw.webex.net>
- 11) Re: WTB plug for EV-664 mike  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 12) SP600JX BFO knob WTB/T  
by "The Harrahs" <harrah@ia.net>
- 13) WTB : C-390-C Tuning Coil for BC-610  
by AviDov@aol.com
- 14) STARK ELECTRONICS Condenser Checker - Info needed  
by jsm@intergate.bc.ca (Steve McDonald)
- 15) Re: HAMMARLUND HX-50 & HX-50A PAPERWORK  
by Ralph Parker <rparker@istar.ca>
- 16) Re: Shoreline Museum  
by Ralph Parker <rparker@istar.ca>
- 17) RE: ??How to measure unknown impedance  
by "Jim Berry" <basalop@gte.net>
- 18) Collins 678P-1 bits needed

- by "Steve Hill" <SHILL@onaustralia.com.au>  
19) About tube seals, Forwarded mail....  
by "Roberta J. Barmore" <rbarmore@indy.net>  
20) RE: About tube seals, Forwarded mail....  
by "Owens, Clarence" <owensc@nebeng.otis.com>  
21) Re: SP600JX BFO knob WTB/T  
by Bob Roehrig <broehrig@admin.aurora.edu>  
22) Search for parts  
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
23) Europe : Vintage test gear FS  
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
24) Re: Conditioning tubes, how to?  
by John Shriver <jas@shiva.com>  
25) Vibroplex parts  
by agemi <agemi@stc.net>  
26) SP-600 BFO knob found  
by "Harrah, Wayne (MCI)" <Wayne.Harrah@mci.com>

-----  
Date: Mon, 18 Jan 1999 15:04:46 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Message to UK members only.  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901181505\_MC2-6715-5904@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

TV, ch 4, Tues, 19th Jan, 9 pm. program on Bletchly Park.  
"Station X"  
Should be some scenes of German WWII radios. =

also.....

TV, ch4, 13th Feb, 7.30pm, program on spy sets  
"Are You Receiving Me ?"

Worth setting the video for.

cheers, Ben G4BXD.

-----  
Date: Mon, 18 Jan 99 13:10:09 -0700  
Message-Id: <9901182010.ZZ723300@acs6.acs.ucalgary.ca>  
From: "Deane D McIntyre" <dmcintyr@ucalgary.ca>  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: TYPE 80 TUBE

> Someone has mentioned that the type 80 tube may have had the longest  
> manufacturing life of any tube.

>

> Anybody know when it was first introduced & how long manufactured?

>

> -John Sehring

According to an article entitled "The Methuselah of Valves" in a book called "Discovering Vintage Radio" published in 1992 by Electronics Australia the 80 was introduced (as the UX-280) by RCA in May 1927, and was still being made in Eastern Europe in the late 1980's. Thus it was manufactured for over 60 years.

This must be close to the record, however the 6L6 was introduced in 1936 and is still being made (glass version) (in Russia?)

73, Deane D McIntyre VE6BP0  
dmcintyr@ucalgary.ca

-----  
Date: Mon, 18 Jan 1999 13:56:23 -0700  
Message-Id: <199901182056.NAA04177@noodle.hi-line.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Roy Nollkamper <royn@glacierelectric.com>  
Subject: Shoreline Museum

Thanks to all who sent information on the Shoreline Museum in Seattle. I will be checking out the BA's there this Saturday at approximately noon. See you there...I'll be the grey-haired guy with the pseudo-bomber's jacket.

Thanks again. Roy, K7JAQ

-----  
Message-ID: <36A3AED9.5CB14060@vifp.monash.edu.au>  
Date: Tue, 19 Jan 1999 08:59:53 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ??How to measure unknown impedance  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi all,

jim lockwood wrote:

> >How can one measure the primary and secondary impedance of these  
> >unknowns with the following limited test equipment: HP200 CD audio  
> >oscillator, a RCA WV98C VTVM, and today's hamfest purchase, a HP 4260  
> >Universal bridge?  
>  
>  
> My first reaction is that a very pragmatic approach may be the most  
> expedient way to get a new transformer in the old Zenith: Hook 'em up and  
> try 'em.

This is very good advice in true ham tradition. I have done just this when experimenting with old tube B&W TV vertical output transformers as audio output transformers. You can have a lot of fun and learn a bit about tube audio power amplifiers in the process

> A way to do that would be to clip lead the transformers to your 6F6, drive  
> the audio stage with your HP200, and use the WV98C to measure the AC  
> voltage at your speaker terminals. Keeping a constant input signal from  
> the HP200, try various transformer and tap combination and choose the one  
> that results in the greatest reading on the WV98C.

If you have an oscilloscope, I would advise keeping an eye on what's happening at the plate of the 6F6. You don't want the trough of the sinewave to dip below 80 volts or so - the voltage swing depends a lot on the load impedance.

You can also fiddle with a bit of negative feedback - it's not a cure for all ills but will help smooth out the frequency response if necessary.

73 de Morris VK3DOC

-----  
Message-Id: <3.0.1.32.19990118174723.00689b18@a.crl.com>  
Date: Mon, 18 Jan 1999 17:47:23 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Phil Mills <pmills@a.crl.com>  
Subject: WTB plug for EV-664 mike  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I need the 4-pin plug that attaches to the back of the EV-664 mike. Does anyone know or source or have one to sell?

thanks & 73,  
Phil

Phil Mills     AB5TH  
pmills@a.crl.com  
Friendswood, TX

-----  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Mon, 18 Jan 1999 19:06:08 -0500 (EST)  
Subject: HAMMARLUND HX-50 & HX-50A PAPERWORK  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9901181906.aa23064@pcusa01.ecunet.org>

For Sale:

Various Hammarlund HX-50 and HX-50A manuals, schematics, and skads of factory bulletins, updates, addenda & field mods (ZBZ & 160 m installations). These are all copies, some dupes. Total paper work is about 3/8" thick.

\$12 plus postage.

(My therapist told me I had to do this to clear out the last remnants of my "old life" with Hammarlunds. He promised I would then have no more urges to do Hammarlund rants nor bad dreams about jumpy VFO's & wildly swinging hammers.)

-John Sehring (Mon, Jan 18, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Mon, 18 Jan 1999 19:06:09 -0500 (EST)  
Subject: HALLI SX-101A IMAGE PROBLEM  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9901181906.aa23068@pcusa01.ecunet.org>

To: boatanchors@theporch.com

The Halli SX-101A does seem to have a problem with SW BC stations coming in on 20 m. This is more of a problem when using a non-resonant antenna. Using a long wire of some sort and some kind of RF selectivity, say, a Johnson Matchbox, helps.

With a 1650 kHz 1st IF, images would be 2X away,  $3.3 + 14.2 = 17.5$  MHz, the 17m band.

There should be enuf RF amp & mixer selectivity to kill that problem. I don't know offhand what the image ratio should be, Halli doesn't spec it in the manual, just says that images are "virtually nonexistent". The antenna trimmer adjustment doesn't affect the strength of the images so I wonder exactly what's going on here, maybe some kind of unintended trans-RF & -mixer stage coupling mode.

However, some of the SW BCers are very powerful!

I've also noted an occassional image on 10 m from low band VHF pagers & such on the -101A.

Various Collins, Drake & Hammarlund radios use a higher 1st IF, about 3 MHz or higher for receivers that go to 10 m. Halli used 1650 kHz IF so it wouldn't have to do any switching between single & dual conversion modes (such as the SP-600 does) when changing frequency bands.

BTW, 1650 kHz was once just about unused by any service but now has AM BC on it, so IF feedthrough is a potential problem too.

I've noted that with the SX-100, which uses *\*exactly\** the same double IF arrangement as the SX-101A, I've *\*not\** had this problem. Hmmm.

Side note: With the -100, sensitivity drops off hugely below about 2.5 MHz. I often wondered if this was done to avoid problems with trying to receive sigs near its own IF freq. But, the SX-101 (unlike the -101A), which does cover 160 m, shows full sensitivity on 160, no drop off. Any thoughts on this?

-John Sehring (Mon, Jan 18, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Mon, 18 Jan 1999 19:06:08 -0500 (EST)  
Subject: AMP TUBE FILAMENT VOLTAGE  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)

Message-ID: <9901181906.aa23058@pcusa01.ecunet.org>

To: boatanchors@theporch.com

W5FRS sez that less final loading gives higher tank Q which gives more harmonic reduction.

However, my understanding is that for best linearity, loading should be increased just beyond the point of maximum power output, where power output drops about 5%. (This info comes from use of grounded grid triodes in SSB linear amp. service.)

Are these two operating conditions (max. harmonic reduction & best linearity) mutually exclusive?

-John Sehring (Mon, Jan 18, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Mon, 18 Jan 1999 19:06:08 -0500 (EST)  
Subject: HAMMARLUND HX-500 MANUAL FOR SALE  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9901181906.aa23061@pcusa01.ecunet.org>

For Sale: Hammarlund HX-500 manual, original.

Front and back covers are loose, poor-fair condition, some rips & tears. Condition of pages & schematic is excellent. Schematic is loose from manual.

\$12 plus postage.

-John Sehring (Mon, Jan 18, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

-----  
Message-ID: <36A3D4F0.A7D419F9@bw.webex.net>  
Date: Mon, 18 Jan 1999 19:42:24 -0500  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Webpage update  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anchorites,

I just posted a revised "Spy Radio" page. You might want to take a look.

73,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Date: Mon, 18 Jan 1999 18:50:41 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WTB plug for EV-664 mike  
Message-ID: <Pine.ULT.3.96.990118184906.27875C-1000000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 18 Jan 1999, Phil Mills wrote:

> I need the 4-pin plug that attaches to the back of the  
> EV-664 mike. Does anyone know or source or have one to sell?

That's a common connector - was used on many Motorola, G.E., and other  
2-way gear for many years. You'll like the 664 - it's a great mic.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Message-ID: <00fc01be434f\$86bc0920\$43d0a0cd@harrah-zeus.inav.net>  
From: "The Harrahs" <harrah@ia.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SP600JX BFO knob WTB/T  
Date: Mon, 18 Jan 1999 19:52:56 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Anchorites,

While attempting at educating myself on the ins and outs of the SP600 (particularly studying the BFO guts) I noticed in the manuals I now have that it appears I don't have the correct knob on my SP600 BFO freq. control. Instead of being marked every .5kc from 0 to 3kc + and - (either side of 0), mine is marked from 0 - 10 counter clockwise. Looks to me like I have an audio gain control knob in place of the BFO control knob. At least it matches my audio gain control knob exactly.

Now, this one looks perfect, so, it isn't a crisis or anything. And it IS an SP-600 knob, so, that helps, too. But still I'd like to find the correct BFO one to put back on it if I can. If I can't buy one outright (which I'd prefer, to make shipping hassles easier), I'd consider trading this audio knob for the correct BFO knob if your BFO knob looks decent.

Any takers on either request?

Thanks.

Buzz

Wayne "Buzz" Harrah, ke0ms  
harrah@ia.net (home email)  
<http://www.ia.net/~harrah>

Final note: don't forget to..... to..... -- never mind.

-----  
From: AviDov@aol.com  
Message-ID: <93fa07e9.36a3f985@aol.com>  
Date: Mon, 18 Jan 1999 22:18:29 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: WTB : C-390-C Tuning Coil for BC-610  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Anybody out there have a really clean C-390C coil to complete my display set ?  
73

-----  
Date: Mon, 18 Jan 1999 22:12:49 -0800 (PST)  
Message-Id: <199901190612.WAA26588@vector.intergate.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: jsm@intergate.bc.ca (Steve McDonald)  
Subject: STARK ELECTRONICS Condenser Checker - Info needed

I recently acquired a STARKIT CONDENSER CHECKER (Model # BJ-1) manufactured by STARK ELECTRONICS - Ajax, Ontario. I would like to get some information or a photocopied manual for this unit if possible. The serial # indicates there were at least 4,000 made...probably in the 60's. Help!

Steve/VE7SL

-----  
Message-Id: <3.0.5.32.19990118172115.007be200@istar.ca>  
Date: Mon, 18 Jan 1999 17:21:15 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Re: HAMMARLUND HX-50 & HX-50A PAPERWORK  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Various Hammarlund HX-50 and HX-50A manuals, schematics, etc.  
>\$12 plus postage.

Nice try. I'm taking my HX-50 to the flea market next month.  
Bought it there last year, and haven't plugged it in yet.  
ve7xf

-----  
Message-Id: <3.0.5.32.19990118171425.007be7b0@istar.ca>  
Date: Mon, 18 Jan 1999 17:14:25 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Re: Shoreline Museum  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Thanks to all who sent information on the Shoreline Museum in Seattle.  
>Thanks again. Roy, K7JAQ

So, like, where is it, eh?  
ve7xf

-----  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Boatanchors" <boatanchors@theporch.com>  
Subject: RE: ??How to measure unknown impedance  
Date: Tue, 19 Jan 1999 00:16:47 -0800  
Message-ID: <000001be437d\$31e02a20\$2844fdd0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Dave,

You can add this to your list of the right way, wrong way, hard way etc.

Reason I have the line matching transformer(s) is no one really knows what they are good for. I have a couple old receivers that have 600 ohm outputs. If you have priced a 600 to 8 ohm transformer from say AES, they cost an arm and a leg. These matching transformers can only cost a couple bux or in most cases are free. You can even get them at Radio Shaft.

I finally wound up in one place with the transformer and a DMM (yuk). Here is what the DMM said in all it's glorious digits:

8K (.625W) = 301 OHMS  
4K (1.25W) = 210.7 OHMS  
2K (2.5W) = 150.5 OHMS  
1K (5W) = 104.2 OHMS  
500 OHM (10W) = 67.8 OHMS

For the heck of it I measured the output side and it read:

4 OHM = .9  
8 OHM = 1.1

So you can actually measure these transformers with an ohm meter and get a good idea of where you are at. Sure, not the super correct way, but it works.

I have had to solve the very same problem you are having. If your receiver calls for a 6K input audio transformer, then the 8K tap is going to be close enough. I have gotten more then one old BA receiver going again.

As you can see, you can scab one in if the transformer is shot. Also you can use one to match an old rig with a 600 Ohm output to an 8 Ohm speaker.

73 Jim K7SLI

-----  
Message-ID: <003801be4387\$7b771400\$d2a5868b@me>  
From: "Steve Hill" <SHILL@onaustralia.com.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Collins 678P-1 bits needed  
Date: Tue, 19 Jan 1999 18:41:13 +1000

Gang,

I need a few bits and peices for my Collins 678P1.

I need the DC in and AC in connectors.

Also chasing the cable that goes from the connector for the control head to the control head itself.

Would love to get one of the cables with the big cannon connectors either end that goes from the 618T-2/3 socket to the actual radio.

Thanks for any help.

-----  
Steve Hill           VK4CZT  
<SHILL@onaustralia.com.au>  
visit my military radio page  
<<http://www.users.bigpond.com/SHILL>>  
39 Banbury St  
Carina. 4152.  
Brisbane. Queensland. Australia.

-----  
Date: Tue, 19 Jan 1999 08:25:06 -0500 (EST)  
From: "Roberta J. Barmore" <[rbarmore@indy.net](mailto:rbarmore@indy.net)>  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Subject: About tube seals, Forwarded mail....  
Message-ID: <Pine.SUN.3.96.990119081454.27302C-1000000@indy2>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang!

Received this from a fellow not (yet) on the list, and found it quite an interesting take on the issue of glass-to-metal seals in big tubes.

Barry Ornitz has probably seen more heavy-duty vacuum technology than most of the rest of us; ever hear of this trick, Barry?

I'd be a little concerned about attraction and retention of dust on and around terminals at high potential, and would suggest the oil be chosen carefully and used sparingly. It sounds as if there's some merit to this, especially for long-term storage of big tubes.

----- Forwarded message -----  
From: phil <[pmetz@bright.net](mailto:pmetz@bright.net)>

Hi,

Just a comment on this leaky tube issue.

Scientific glass work is a part of my work, and I know an old and wise glass blower that worked long ago on the manhattan project. He once told me of a problem they had then.

Seems they had to make some glass thing with "thousands" of glass to metal seals (wires) and no matter what they did, it wouldn't hold the degree of vacuum needed. Their conclusion: all glass to metal seals leak to some degree. Somehow, the outside of this thing got coated with oil and then cleaned. No more leak!

Then they adopted the practice of oiling the outside of all these seals and had no more problems.

I guess the theory is that oil molecules are much bigger and clunkier than the gasses, and get in there and slow things down or stops it up?

So???? I oil the seals of any tubes I really want to keep. I can't proclaim any smashing success just yet, but then what can it hurt?

I haven't gotten around to joining the Boatanchors yet but I wanted to share this bit with someone who could pass it along.

Best regards....

Phil Metz

-----  
KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

-----  
Content-return: allowed  
Date: Tue, 19 Jan 1999 09:18:00 -0500  
From: "Owens, Clarence" <owensc@nebeng.otis.com>  
Subject: RE: About tube seals, Forwarded mail....  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0F5T00GTH96Q7D@mailman.otis.com>  
MIME-version: 1.0  
Content-type: text/plain

Hi Bobbi and the Group,

I know there's a material or class of materials known as "Vacuum Grease"

that's used to help make a better seal between a bell jar and its rubber base plate. Also there are the special oils used in vacuum pumps. I suppose either of those would have very low volatility so as not to destroy the vacuum they're trying to protect and would be good but expensive choices for protecting glass to metal seals.

They'd be great for tubes like the 832 or 829 but the tubes with plate caps and/or regular bases have inaccessible seals.

73, Clare Owens N2RJB

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From: Roberta J. Barmore  
To: Old Tube Radios  
Subject: About tube seals, Forwarded mail....  
Date: Tuesday, January 19, 1999 8:25AM

Hi, Gang!

Received this from a fellow not (yet) on the list, and found it quite an interesting take on the issue of glass-to-metal seals in big tubes.

Barry Ornitz has probably seen more heavy-duty vacuum technology than most of the rest of us; ever hear of this trick, Barry?

I'd be a little concerned about attraction and retention of dust on and around terminals at high potential, and would suggest the oil be chosen carefully and used sparingly. It sounds as if there's some merit to this, especially for long-term storage of big tubes.

<snip>

-----  
Date: Tue, 19 Jan 1999 08:24:08 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SP600JX BFO knob WTB/T  
Message-ID: <Pine.ULT.3.96.990119082116.6743A-1000000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 18 Jan 1999, The Harrahs wrote:

> (particularly studying the BFO guts) I noticed in the manuals I now have  
> that it appears I don't have the correct knob on my SP600 BFO freq. control.  
> Instead of being marked every .5kc from 0 to 3kc + and - (either side of 0),  
> mine is marked from 0 - 10 counter clockwise.

Mine was the same way. I don't remember what the manual shows. A few years

ago Fair Radio had the "real" BFO knobs for \$5.00. You might check and see if they still do.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Message-ID: <01f101be43b8\$b5746460\$0300a8c0@cyber>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Search for parts  
Date: Tue, 19 Jan 1999 15:21:59 +0100  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

You may find this home page useful for the odd component. Shipped both in Europe and NA :

<http://www.farnell.com>

This is the ownercompany of Newark.

73 Rag oz8ro

-----  
Message-ID: <01f301be43b8\$b90664c0\$0300a8c0@cyber>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Europe : Vintage test gear FS  
Date: Tue, 19 Jan 1999 15:32:22 +0100  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Old pre-war R&S signal generator for sale.  
Email me for details.

73 Rag OZ8RO

-----  
Date: Tue, 19 Jan 1999 10:35:04 -0500  
Message-Id: <199901191535.KAA01994@brill.shiva.com>  
From: John Shriver <jas@shiva.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: Conditioning tubes, how to?

You are probably seeing a combination of gas and negative grid current.

In your test burn-in rig, the G1 is connected directly to a power supply. Very low source impedance to the grid.

Whatever network is connected to G1 in the amp is undoubtedly of higher source impedance. (Tuned network? Certainly not a cathode follower...)

The problem of negative grid current, which is grid emission, is made more serious with the presence of gas in the tube. Makes the grid much more likely to act as a cathode and emit electrons.

When the grid emits electrons, the current flow through the grid's source impedance is such that the grid voltage gets less negative.

That makes the tube run hotter, which makes the gas cause the grid to emit more.

Goto "Makes the grid...".

Thermal runaway is the result.

Also, there may be some contamination of the grid by cathode coating. That makes it act more as a cathode when warm.

To test this, put 100 Kohms in series with the power supply to G1 in the burn-in rig. Be ready to shut things down fast...

-----  
Date: Sat, 31 Jan 1998 02:31:28 -0500  
From: agemi <agemi@stc.net>  
Message-ID: <19105.980131@stc.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Vibroplex parts  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



Is Vibroplex still in business ? I need a "U" spring dot contact for a older key that has a rod for the adjustable speed weights. Or just The "U" spring and contact only. I have other Vibroplex parts for trade or I will trade cash.

Roger KD4AS

Best regards,  
Agemi

mailto:agemi@stc.net

-----  
Message-ID: <EBE7A0FA4B7CD211A3490000F804BFED62E991@omzexch008.mcit.com>  
From: "Harrah, Wayne (MCI)" <Wayne.Harrah@mci.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SP-600 BFO knob found  
Date: Tue, 19 Jan 1999 17:02:44 -0000  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="----\_=\_NextPart\_001\_01BE43CD.88B6FB44"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

-----\_=\_NextPart\_001\_01BE43CD.88B6FB44  
Content-Type: text/plain;  
charset="iso-8859-1"

Boatpeople,

Thank you to this list for two reasons.

note: [The names have been withheld for fear of word getting out that the mentioned parties might become known as NICE GUYS.] :)

First, a couple of weeks ago I put out a plea for a top-tuning cap cover for my SP-600. One listmember mailed me one of his 'junker' ones for postage! And, it was in very nice condition. Needs a little polish, but don't they all??? Thank you.

Next, yesterday I called for help in finding a BFO knob for my SP-600 also. I got two responses, one of which was simple reimbursement for his "found at a hamfest" purchase price (\$2.50) + postage, and another (later one) was FREE FREE (postage would be offered anyway) simply for the promise to DO A SIMILAR FAVOR FOR SOMEONE ELSE SOMETIME!

I took the first offer I got, so, the other is still available for others

(unless my newly acquired one gets SCRUNCHED in shipment). They can't demolish an knob, can they? :) But, what a list! IT is an honor to be associated with such nice people.

As such, if someone ends up needing the soon-to-be-surplus SP-600 audio control knob I have, let me know. I am overdrawn in the 'favors to be repaid' account, and I need to fix that.

Regards,

Buzz

```
*   Buzz (Wayne) Harrah - (CR LAB OPS)  *
*   mailto:Wayne.Harrah@mci.com (work)  *
*   mailto:Harrah@IA.NET (home)         *
*   page: 1-800-PAGE-MCI, pin 1595319   *
*   MCI Vnet 820-2096                   *
```

-----\_=\_NextPart\_001\_01BE43CD.88B6FB44

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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charset=3Diso-8859-1">

<META NAME=3D"Generator" CONTENT=3D"MS Exchange Server version =  
5.5.2232.0">

<TITLE>SP-600 BFO knob found</TITLE>

</HEAD>

<BODY>

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</P>

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<P><FONT SIZE=3D2>note:&nbsp; [The names have been withheld for fear of =  
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End of BOATANCHORS Digest 2388

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